



RELEASE NOTES

SOLUTIONS WEB APPLICATION

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About This Document

The release notes describe Digital Environments Solutions Web Application fixes and new features. In our effort to provide the most up-to-date information, release note updates will be provided on the Digital Environment website www.digienv.com/technology/applications/web.

Notices and Trademarks

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Release SWA_V1.3**

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**Digital Environment LLC.
Atlanta, GA
USA**



Release Information

Document Name	Release Version	Publication Date
SWA_V1.3 - Release Notes_REV1.0	SWA_V1.3	December 12, 2022

Support and Other Contact Information

- **Global**
 - Contact:
 - Digital Environment Technical Support
 - Phone:
 - 1-844-344-4368 ext 0
 - Calls will be answered during business hours between 7:00 am and 6:00 pm Eastern Standard Time. If calling outside of these hours, please leave a message with your contact information and a representative will get back to you.
 - Email:
 - Support@digienv.com

Term and Symbol Definitions

SWA	Solutions Web Application
MDA	Mobile Device Application
TBD	To be determined
OS	Operating system
iOS	Apple operating system
REV#.#	Revision number of the document
V#.#	Version number of the application



Before you Begin

Getting the Latest Software and Documentation Available

The latest Solutions Web Application version will be active online. There will be no need for you to download and install any software updates.

Make sure your **SmartENV** Mobile Device Application is up-to-date from your mobile device hardware providers app store (Google Play or Apple App Store).

Read These Documents

- 1) **Solutions Web Application - Release Notes** (Latest Release Notes are available for download at www.digienv.com/technology/applications/web)
 - a) This document provides: (*SWA_V#.# - Release Notes_REV#.#*)
 - i) Information about new features introduced with the release
 - ii) Information about defects resolved with the release
 - iii) Information about known defects with the release
 - iv) Any changes made to the Solutions Web App user interface

- 2) **Mobile Device Application - Release Notes** (Latest Release Notes are available for download at www.digienv.com/technology/applications/mobile)
 - a) This document provides: (*MDA_V#.# - Release Notes_REV#.#*)
 - i) Information about new features introduced with the release
 - ii) Information about defects resolved with the release
 - iii) Information about known defects with the release
 - iv) Any changes made to the Mobile App user interface

- 3) **User Manual** (An updated User Manuals for your specific Product / Sensor are available for download at www.digienv.com/technology/sensors)
 - a) This document provides:
 - i) Hardware component identification
 - ii) How the product works
 - iii) Troubleshooting information
 - iv) Frequently asked questions
 - v) Technical specifications

- 4) **Quick Start Guide** (An updated Quick Start Guides for your specific Product / Sensor are available for download at www.digienv.com/technology/sensors)



- a) This document provides:
- i) Account Setup procedures
 - ii) Project and Property setup procedures
 - iii) Activity and Room setup procedures
 - iv) How to use the Solutions Web Application
 - v) How to use the Mobile Device Application
 - vi) Connecting the mobile device to the Product / Sensor
 - vii) Collected data report generation
-

New in this Release

All new features, updates and changes to the Solutions Web Application for this release version will be outlined in this section. All new items have been through Digital Environments' elaborate QA QC process to confirm reliability and functionality to the user.

Data Management

All updates and changes to the Reporting menu in the Solutions Web Application will be described in this section.

Reporting

- **Report Layout**

- Page 2 - Sensor Guidance Title Page
 - Description - Blank Page
- Page 3 - What Does The Air Quality Data Mean?
 - URL Reference links added to the bottom of the page (Australian Customers)

¹ Fisk, W.J. (2013). Health benefits of particle filtration. *Indoor Air*,23(5), 357-368. doi:10.1111/ina. 12036

² <https://www.airnow.gov/index.cfm?action=aqibasics.aqi#good>

³ <http://www.innenraumanalytik.at/pdfs/handreichung.pdf>

⁴ <https://www.dhs.wisconsin.gov/chemical/carbondioxide.htm>

⁵ <https://ohsonline.com/articles/2016/04/01/carbon-dioxide-detection-and-indoor-air-quality-control.aspx?m=1>

⁶ <https://www.medical-reference.net/2014/01/what-are-particulate-matter-25.html>

<https://www.dceew.gov.au/environment/protection/npi/substances/fact-sheets/particulate-matter-pm10-and-pm25>
<https://www.safeworkaustralia.gov.au/doc/workplace-exposure-standards-airborne-contaminants-2022>

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- *Added:* Page 4 - Elevated Indoor Air Quality Readings? Possible Sources and Potential Solutions
 - This page has been added to all reports to assist the technician / inspector performing the indoor Air Quality Survey explaining the most common sources and solutions for elevated IAQ readings.



Elevated Indoor Air Quality Readings? Possible Sources and Potential Solutions

PM_{2.5} & PM₁₀ - Particulate Matter

Sources	Solutions
Pollen, heavy dust, bacteria, pet allergens, fly ash, cement dust, oil smoke	Install an indoor air purification system
Recent cooking, showering or using an brand new oven	Increase air ventilation when cooking and showering
Burning of candles, fireplaces, wood, fuels, tobacco	Eliminate indoor smoking and burning of materials
Recent construction, drywall, sanding, flooring, etc.	Follow up with indoor air quality lab testing
Visible or hidden dry / dead mold will cause airborne mold spores	Locate and remediate any visible sources of mold

eTVOC - Equivalent Total Volatile Organic Compounds

Sources	Solutions
New items in the property such as, carpets, drapes, furniture, flooring, drywall, etc.	Increase air circulation and ventilation when new sources of VOCs are brought into the property
Burning of fuels such as gas, wood and kerosene and tobacco products	Identify and eliminate items that constantly off gas VOC
Perfumes, hair spray, cleaning agents, dry cleaning fluid, paints and paint thinner, lacquers, varnishes, hobby supplies, alcohols, vinegars, gas leaks	Follow manufacturers labels when using household chemicals and cleaning solutions
Formaldehyde, one of the most common VOC, It is common in many building materials such as plywood, particleboard and glues	Install an indoor air purification system and / or UV light air cleaning system
Mold can off gas a number of different VOCs	Follow up with indoor air quality lab testing

eCO₂ - Carbon Dioxide Equivalent

Sources	Solutions
The earth's atmosphere contains 400 ppm CO ₂	Increase air circulation and ventilation
Byproduct of normal human functions (exhaling)	Examine the HVAC system is operating efficiently
Excessive number of people in a property	Open the property windows
Improper ventilation or an unbalanced HVAC system	Turn on exhaust fans
Burning fossil fuels or decaying vegetation	Increase the number of times the HVAC fan runs per day

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Administration

All updates and changes to the Administration menu in the Solutions Web Application will be described in this section.

Users

- **Adding or Changing User Credentials**
 - Save Button
 - The issue with saving changes to user credentials or adding additional users has been corrected. The "SAVE" button now operates and stores all changes.



Problems Resolved in this Release

Release Additions and Defects Resolved

Below are the Solutions Web Application defects that have been resolved in the latest Web App release.

Ticket Number	Brief Description of Resolved Defect or Addition
REP2-545	Save button not working to add or change users
REP2-555	Report Page Edit - URL Link for Australia
REP2-556	Report Page Addition - Sources and Solutions

Current Release Defects Reported and Future Release Advancements

The following are currently known defects within Digital Environments Solutions Web Application with their corresponding estimated resolution release. This does not include new features that will be introduced for future version releases.

Ticket Number	Brief Description of Known Defect Workaround Process if Available	Estimated Resolve Release
REP2-566	Notes - Editing / Adding / Deleting Notes and data within the web application.	Mid January 2023
REP2-589	Report Size - Reducing and compressing the file size of the downloaded report. For ease of emailing and transmitting the smaller file size.	Mid February 2023



Revision Information

Qualified Web Browser Versions

The table below highlights the specific browsers and their versions that have been qualified to operate with the Digital Environment Solutions Web Application.

Browser	Version
Internet Explorer	11
Microsoft Edge	Build 18363
Google Chrome	43+
Google Chrome (Mobile)	43+
Firefox	68.0.1 (64-bit)
Safari	13.0
Safari (Mobile)	13.0

Release Revision Tracking

The history of all released Solutions Web Application Versions is being recorded using the table below. You can find a copy of the Release Notes for each version online at www.digienv.com/technology/applications/web

Solutions Web App Version	Release Date	Release Notes Document Name
SWA_V1.1	February 04, 2020	SWA_V1.1 - Release Notes-REV1.0
SWA_V1.2	March 19, 2020	SWA_V1.2 - Release Notes-REV1.0
SWA_V1.3	December 12, 2022	SWA_V1.3 - Release Notes-REV1.0





End of Document

